

**CLAIMS**

1. A process for purifying propylene oxide, which comprises:  
washing propylene oxide containing aldehydes with water; and  
5 subsequently contacting an aqueous phase obtained with an  
extractant.

2. The process according to claim 1, wherein the extractant  
is a hydrocarbon having 3 to 10 carbon atoms.

10 3. The process according to claim 1, the process further  
comprises separating propylene oxide by distillation from the  
extractant obtained after contacted.

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